

In the claims:

1. (Currently Amended) A distillation process comprising providing a mixture of a lower boiling point solvent and a higher boiling point target compound to an evaporator, flashing off a multi-component vapor containing said solvent and said target at a temperature below the boiling point of said target ~~compound, subsequently separating said target from said mixture~~, and providing additional amounts of said solvent without substantial amounts of said target to said evaporator to maintain the boiling point of said mixture below that of said target.
2. (Currently Amended) A process according to claim 1 wherein said target ~~compound~~ is mixed with a non-volatile contaminate or ~~very high boiling a~~ contaminate having a boiling point higher than that of said target, which remains in said evaporator.
3. (Currently Amended) A process according to claim 2 further comprising the step of providing said multi-component vapor to means for separating said target from said solvent.
4. (Original) A process according to claim 3 wherein said means for separating comprises a distillation tower.
5. (Original) A process according to claim 3 wherein said solvent is water and said target is ethylene glycol.
6. (Original) A process according to claim 3 wherein said target is an amine.
7. (Original) The target component separated by the process according to claim 1.
8. (New) A process according to claim 1 further comprising removing bottoms from said evaporator, cooling said bottoms to allow sediment to separate from supernatant, and adding said supernatant to said evaporator.